SUPPLEMENTARY TABLE S3

FOR THE PAPER

Nuclear-cytoplasmic conflict in pea (*Pisum sativum* L.) is associated with nuclear and plastidic candidate genes encoding Acetyl-CoA carboxylase subunits.

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Table S3. Pollen fertility in reciprocal F1 hybrids between pea accessions VIR320, L100 and 721 and in these accessions themselves (the main diagonal). The mean percentage \pm standard error (%) of viable ('fertile') pollen grains among all pollen grains counted in samples of n flowers from N analysed plants are given.

	Paternal parent	VIR320	L100	721
Maternal parent				
VIR320				
		93.57±2.41	71.62±1.92	6.08±4.61
		n=6; N=4	<i>n</i> =19; <i>N</i> =12	<i>n</i> =5; <i>N</i> =1
L100				
		75.14±2.25	96.85±0.65	42.65±1.87
		<i>n</i> =8; <i>N</i> =6	<i>n</i> =14; <i>N</i> =10	<i>n</i> =12; <i>N</i> =6
721				
		71.6±1.59	92.36±0.77	94.51±2.34
		<i>n</i> =12; <i>N</i> =6	<i>n</i> =14; <i>N</i> =7	<i>n</i> =7; <i>N</i> =5

Pollen fertility of F1 hybrids is considered as an indirect indicator of compatibility/incompatibility of the cross performed. Fertility of 50% or less is usually associated with incompatible cross combinations

Plants were grown in a greenhouse in hydroponic beds 4x1 m filled with drainage gravel and fed thrice a day by the standard Knop nutrient solution. Acetocarmine stained pollen (Singh, 2003) was analysed under microscope by counting viable (stained cytoplasm) and dead pollen grains, in total 300-700 grains from an open flower or mature flower bud, with the exception of the VIR320×721 hybrids which were weak and usually did not flower. One plant produced nearly-abortive flowers, some of which had scarce pollen which was analysed.

The data are preliminary, *n* and *N* to be increased.

Singh RJ (2003) Plant Cytogenetics. 2nd ed. CRC Press, Boca Raton. p.21

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